OIPE JC139 SEP 09 2004 PATENT & TRADEMARK OFFICE

Title of invention

Drill press/Wood lathe Two-in-one Machine

Abstract

The present invention relates to a new and improved modification for combining a **drill press** and a **wood lathe** into one machine. Further, the present invention relates to an accessory kit, which adds stand-by wood lathe functions to a conventional drill press. The machine is modified from a drill press, which can be set at either vertical position to work as a general-purpose drill press using a drill bit or at horizontal position to work as a wood lathe using a wood chisel for shaping a wood work piece with minimum setup. A support bracket is affixed to the headstock to allow the machine to be laid at horizontal position. A customized drill press base supports another end of the machine and enables the machine to be laid levelly for function as a wood lathe. A driving spur is removably affixed to the spindle to replace the chuck of the drill press for engaging one end of the wood work piece. A tailstock is removably attached to the drill table adapter to replace the drill table for engaging of the opposite end of the work piece. A tool rest is adjustably affixed to a platform clamped on the column of the machine for use with a wood chisel.

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Current U.S. Class:

International Class: